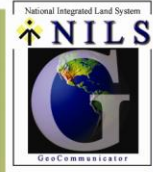
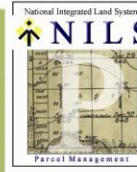
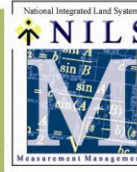
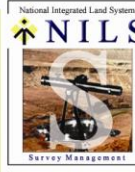


# NILS



web.geocommunicator.gov  
www.geocommunicator.gov

## *National Integrated Land System*

### Using BLM's NILS GeoCommunicator Map Services in Google™ Earth

The following document describes the process of using Google™ Earth to bring in kml files or NILS' GeoCommunicator (<http://www.geocommunicator.gov>) map services.

You must install the Google™ Earth viewer on your computer before you can view data from NILS GeoCommunicator. For a list of NILS GeoCommunicator map services see the Data Themes document under the Map & Data Section in NILS GeoCommunicator.

***Important Notice:** Please read the Data Disclaimer at the end of this document.*

#### **For KML Files: If you have a saved kml or kmz file**

Open Google Earth

Select **File > Open** to bring in the kml or kmz files.

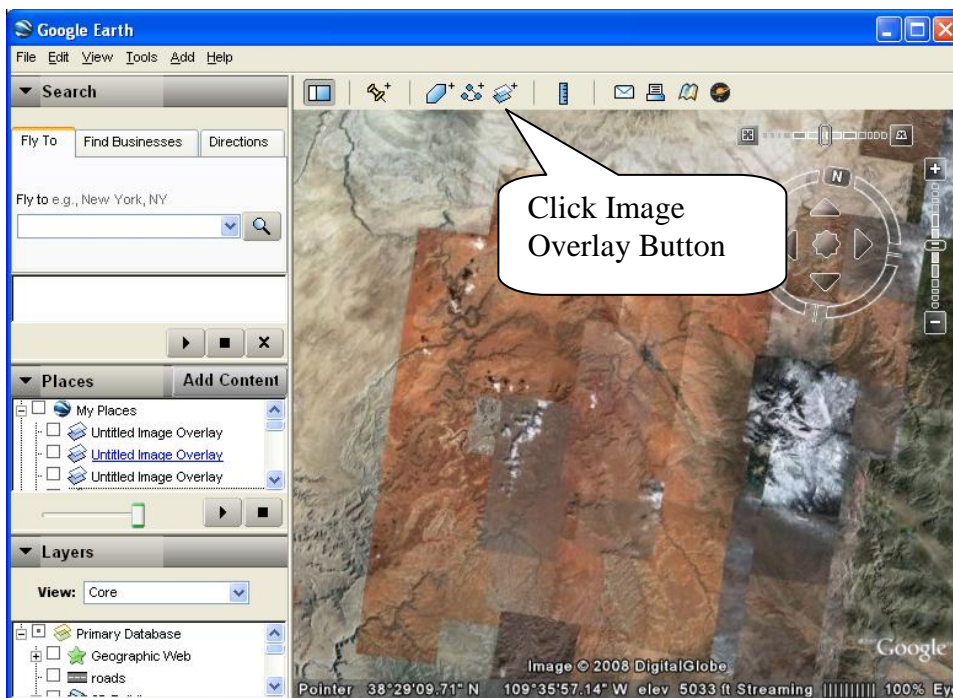
#### **Bring NILS GeoCommunicator Map Services into Google™ Earth:**

##### **Step 1:**

Open Google™ Earth

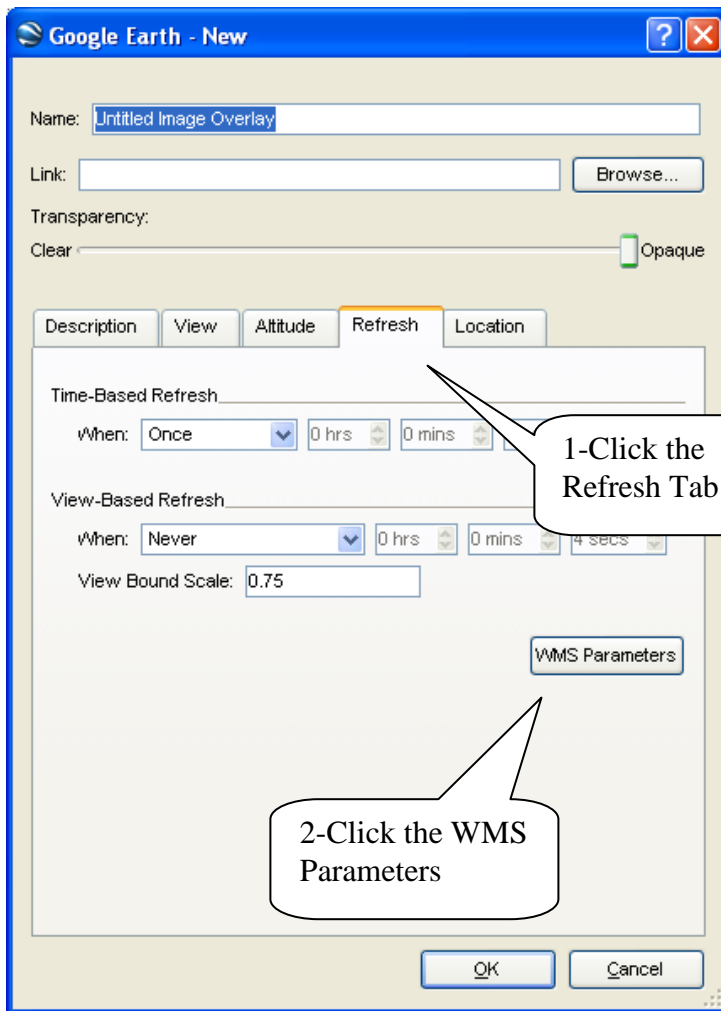
##### **Step 2:**

Click **Add button > Image Overlay** or select the **Image Overlay Button** as shown below.



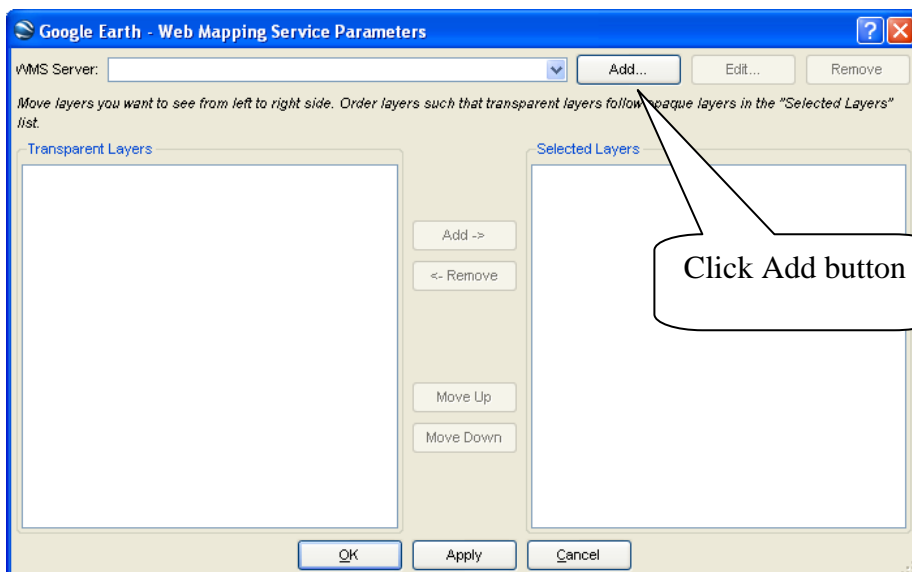
### Step 3:

Click on the **Refresh** tab and then on the **WMS Parameters** button



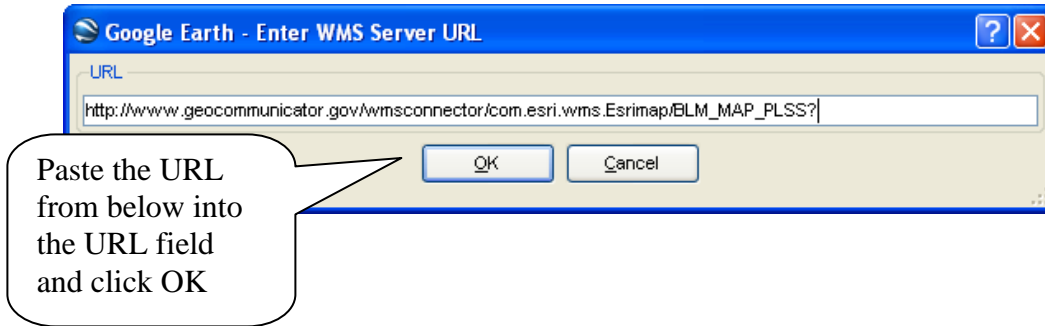
### Step 4:

Click the **"Add..."** button



### Step 5:

From the Enter WMS Server URL, add any of the following URLs:



### Sample Data layers:

The map services with the word MAP in the name have the data layer names cleaned up and some of the un-necessary data layers removed.

### BLM authorizations (oil, gas, coal, geothermal, etc)

[http://www.geocommunicator.gov/wmsconnector/com.esri.wms.Esrimap/BLM\\_PARCELS\\_wms?](http://www.geocommunicator.gov/wmsconnector/com.esri.wms.Esrimap/BLM_PARCELS_wms?)  
(contains all BLM parcels)

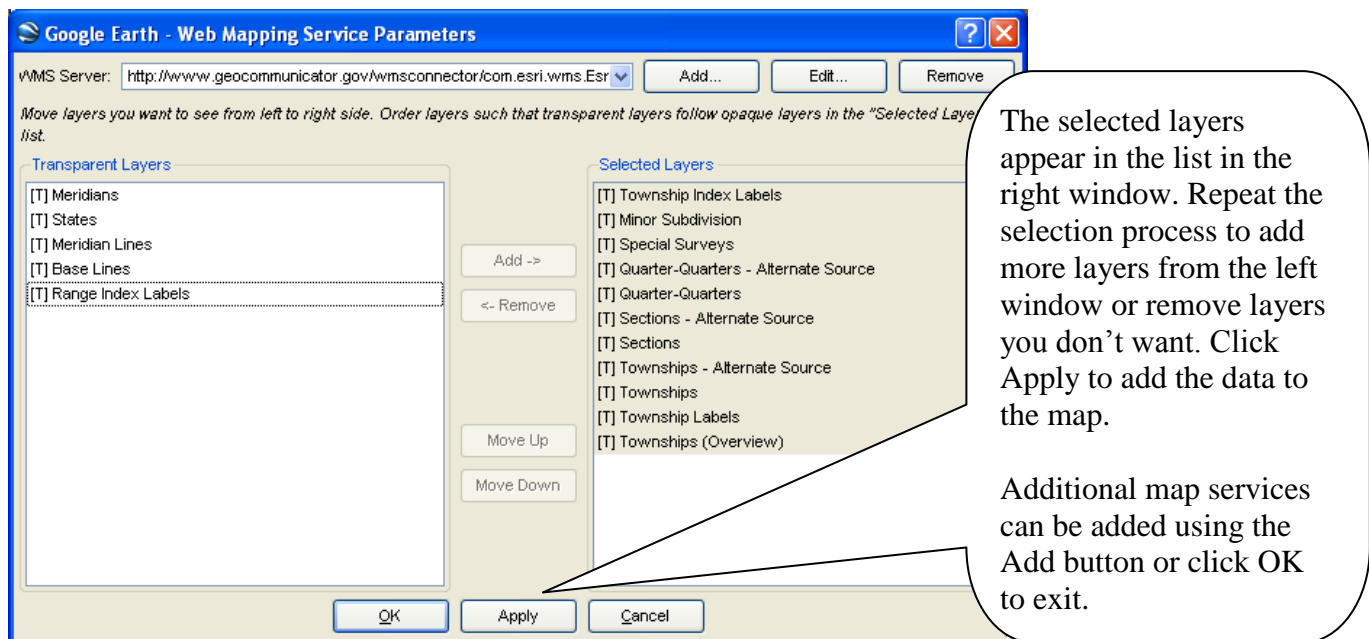
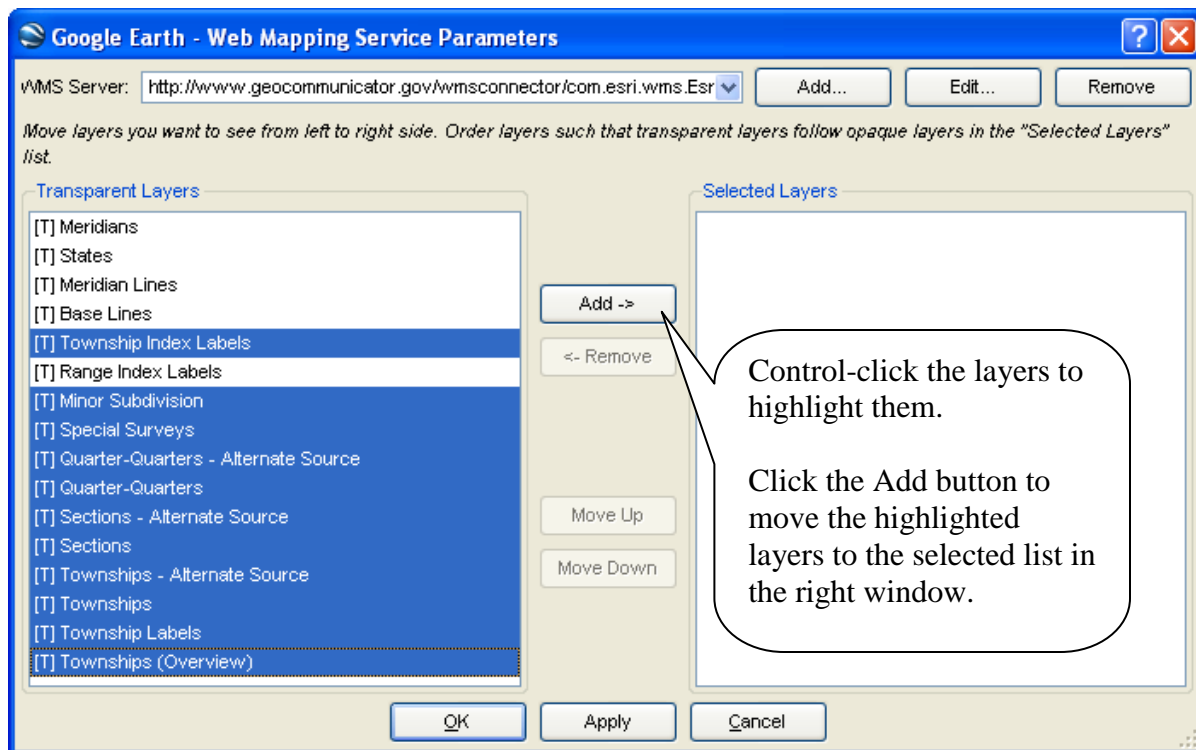
Replace the **layer name** at the end of the URL above with any of the following:

**BLM\_MAP\_SURFACE\_MGT\_AGY?** (Federal Surface Management Agency Boundaries)  
**BLM\_MAP\_PLSS?** (PLSS - meridian, township, range, section, aliquot, lots, etc)  
**BLM\_LSYS\_wms?** (PLSS - meridian, township, range, section, aliquot, lots, etc)  
**BLM\_RANGELAND\_wms?** (BLM and USFS range allotments and wild horse and burro herd areas)  
**BLM\_MAP\_SOLID\_MINERALS?** (coal and other solid minerals)  
**BLM\_OTHER\_LEASES\_wms?** (rights-of-way, mineral material, land use permits)  
**BLM\_MAP\_ROW?**  
**BLM\_MAP\_SOLAR?**  
**BLM\_MAP\_WIND?**

Other data layers are available. For a complete list of NILES GeoCommunicator map services see the 'Data Themes' document under the Map & Data Section in NILES GeoCommunicator ([http://www.blm.gov/nils/GeoComm/documents/NILS\\_data\\_themes\\_public.pdf](http://www.blm.gov/nils/GeoComm/documents/NILS_data_themes_public.pdf)).

### Step 6:

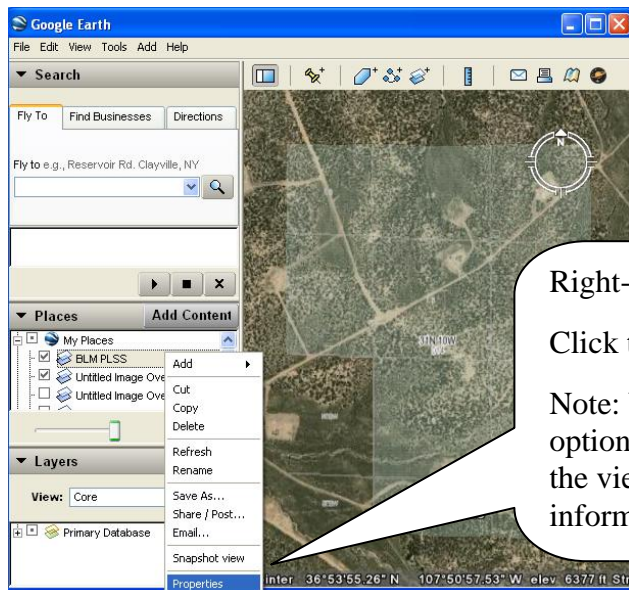
Choose the layers from the service you wish to display and click the **Add ->** arrow button to add them to the display list.



The layers from the BLM's server will load in whenever you zoom or pan. In some cases the scale dependency of the layer will prevent it from displaying.

### Step 7:

The data will be skewed, to correct it, right click on the layer name from the map viewer, and click on **Properties**. In the URL link field add "&reaspect=false" to the end of the URL. If you would like to save your customized view, use the 'Save As' button to save it as a kml file with the connection parameters. Next time you want to use the file use the File > Open to bring in the kml file.

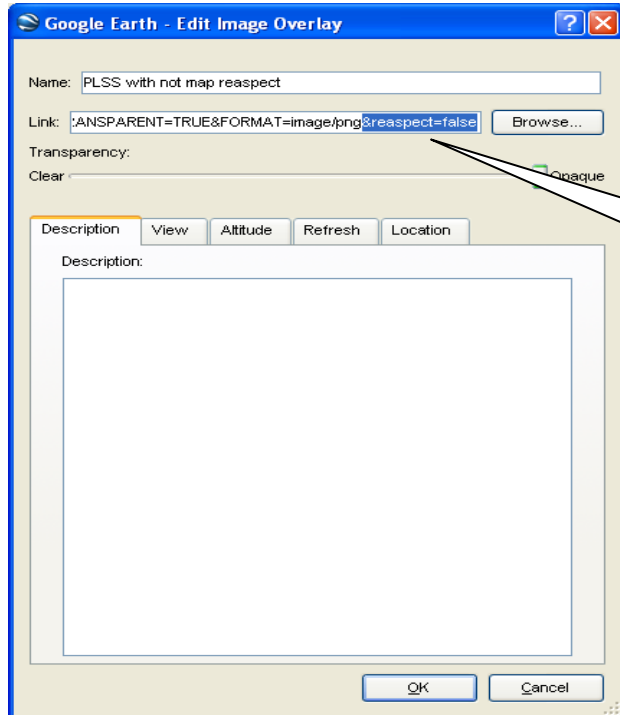


Right-click the layer name.

Click the Properties button.

Note: Use the Save As option if you want to save the view and connection information.

### Properties window for setting reaspect.



Add **&reaspect=false** at the end of the link to fix the scale problem.

Click OK

Below is a URL with the added text.

[http://www.geocommunicator.gov:80/wmsconnector/com.esri.wms.Esrimap/BLM\\_L SIS\\_wms?VERSION=1.1.1&REQUEST=GetMap&SRS=EPSG:4326&WIDTH=512&HEIGHT=512&LAYERS=detail\\_twp,detail\\_ladesc,detail\\_first,detail\\_first\\_labels&STYLES=default,default,default,default,default&TRANSPARENT=TRUE &FORMAT=image/png&reaspect=false](http://www.geocommunicator.gov:80/wmsconnector/com.esri.wms.Esrimap/BLM_L SIS_wms?VERSION=1.1.1&REQUEST=GetMap&SRS=EPSG:4326&WIDTH=512&HEIGHT=512&LAYERS=detail_twp,detail_ladesc,detail_first,detail_first_labels&STYLES=default,default,default,default,default&TRANSPARENT=TRUE &FORMAT=image/png&reaspect=false)



### **Data Disclaimer**

The graphical display of land and mineral parcels and mining claims are NOT a substitute for the official BLM record. Most of the cases from the BLM's National Integrated Land System and the BLM's Legacy Rehost LR2000 (LR2000) are displayed in GeoCommunicator, **although not all**. Approximately 80- 85 % of the LR2000 records are in NILS GeoCommunicator. Therefore, **there are land and mineral records and mining claims issued or recorded by the BLM and maintained in LR2000 or other systems that occur on the land but are not in GeoCommunicator and therefore do not show up on the map**. Please refer to the LR2000 reports (<http://www.blm.gov/lr2000>) for a complete list of land and mineral records and mining claims. Unpatented mining claims are generally 'nominally' recorded to the quarter section. The actual location of the mining claim is somewhere in the mapped area. See GeoCommunicator's "What's New", "About", or "Reference" sections for more information.

Many of our map layers include data from other agencies including abandoned mines, surface management agency boundaries, USFS range allotments and regulated uses, Topo maps, imagery, lakes, rivers, streams, etc. The USDOJ does not control the relevance, timeliness, or accuracy of information provided by other agencies, and therefore, provides no warranty, expressed or implied, as to the accuracy, reliability or completeness of furnished data. For additional information regarding abandoned mine activities, please contact the Land Management Agency responsible for the public lands where the mine is located.

The data on GeoCommunicator can be used for information, mapping, graphics, and planning purposes only. Although this data is made available by the BLM, no warranty, expressed or implied, including accuracy, relevancy, timeliness, utility, or completeness of the data and information is made by the BLM, nor shall the act of distribution constitute any such warranty for individual or aggregate data use with other data. The BLM shall not be held liable for improper use of the data described and/or contained herein. By using this data you hereby agree to these conditions. The BLM survey data is intended for mapping purposes only and is not a substitute for an official land survey.

For further information on the Web services refer to our **Map & Data Services Section** on the NILS GeoCommunicator web site at <http://www.geocommunicator.gov>. V0509



**National Integrated Land System (NILS)**

[www.blm.gov/nils](http://www.blm.gov/nils)

